FIG. 3

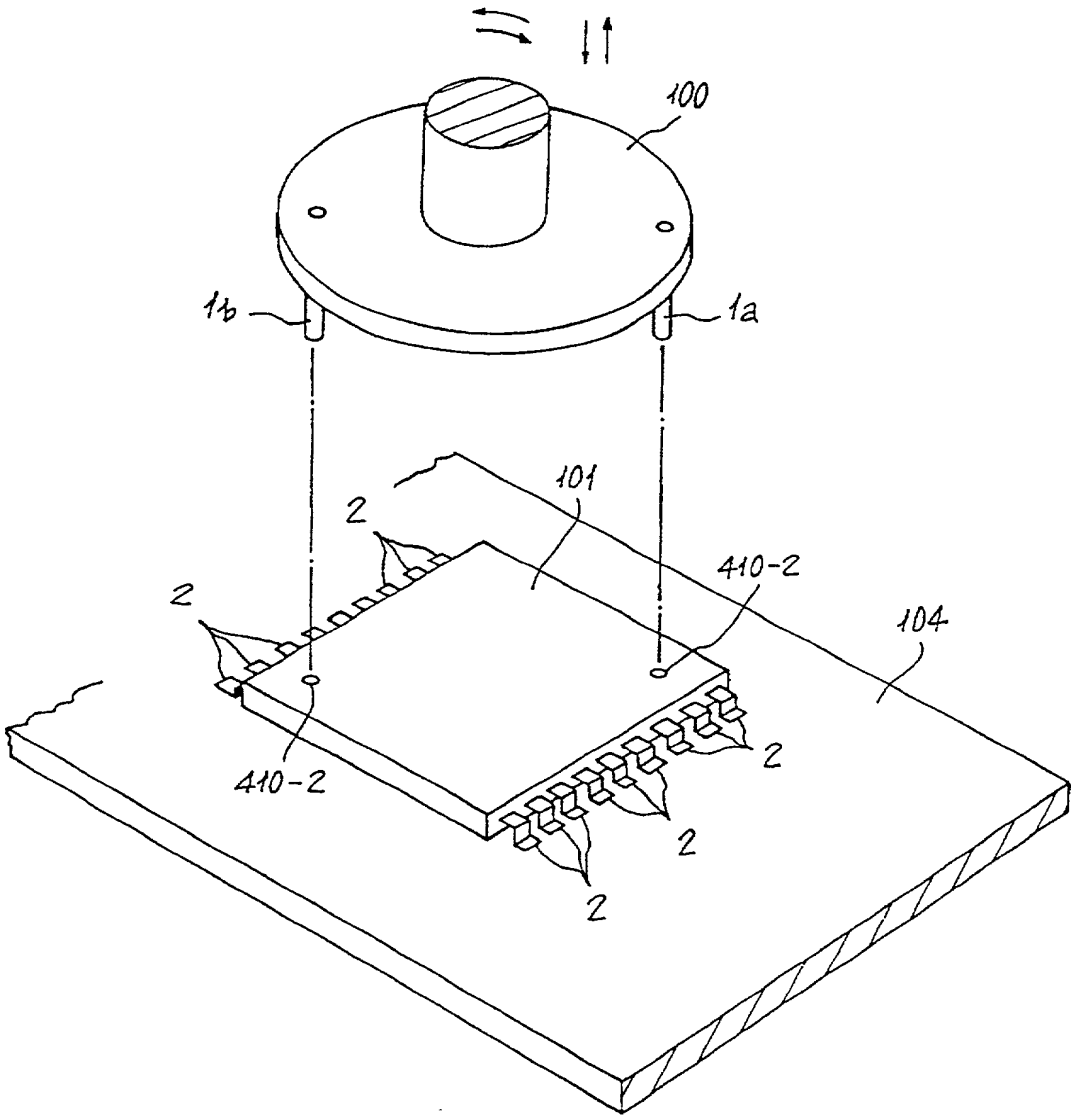


FIG. 4

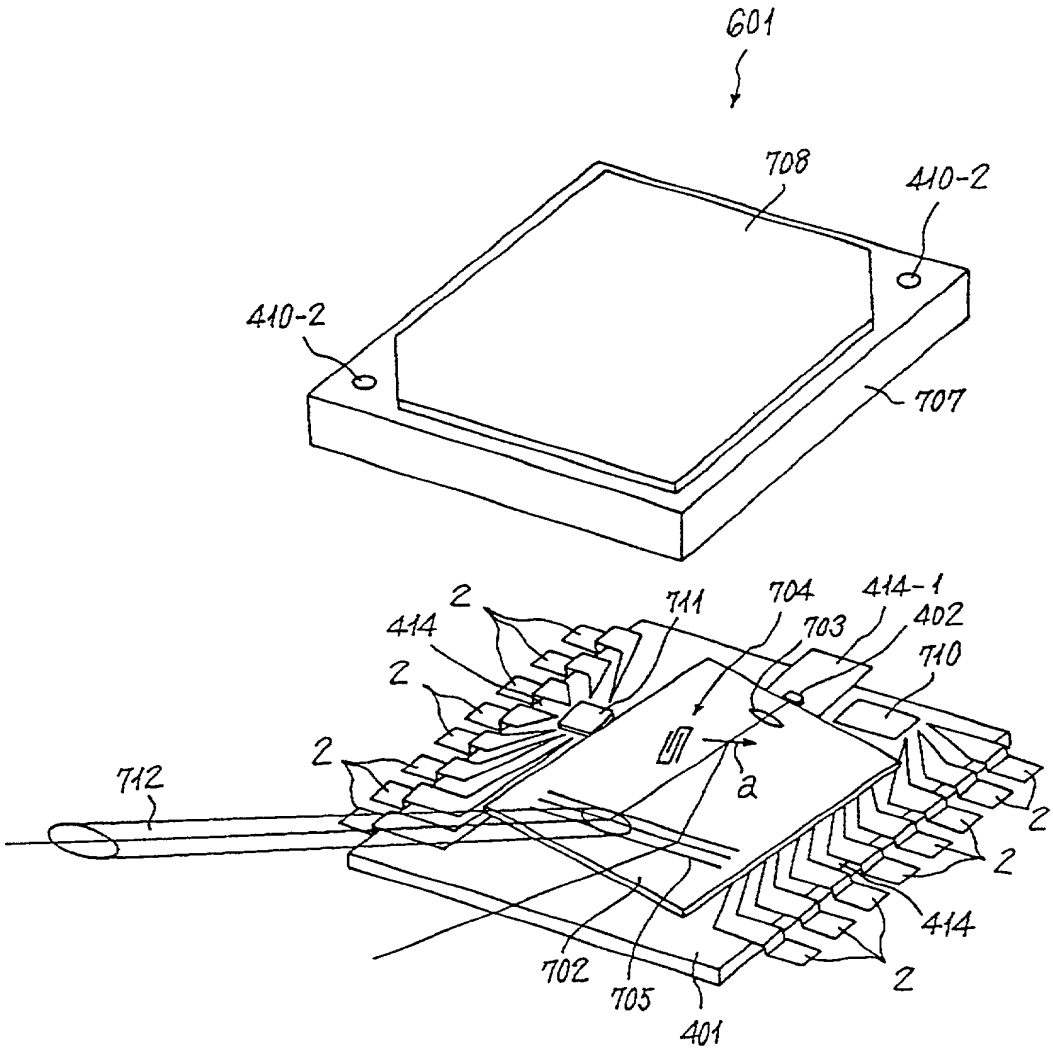

601
708
410-2
410-2
707
2
414
2
2
712
711
704
414-1
703
402
710
a
2
2
414
2
702
705
401

FIG. 5

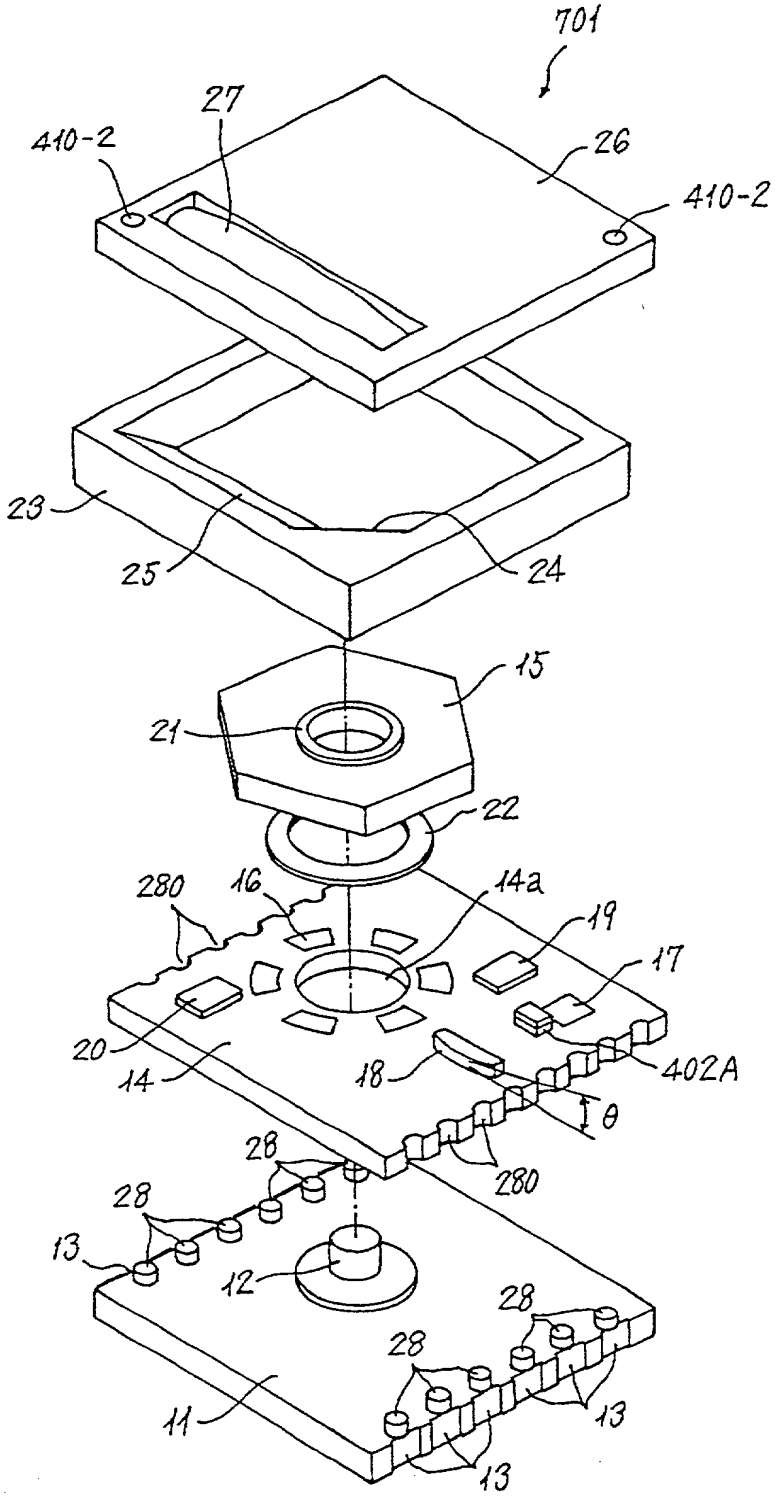

701
27
410-2
26
410-2
23
25
24
15
21
22
280
16
14a
19
17
20
14
18
402A
θ
28
280
28
13
12
28
28
13
11
13

FIG. 6

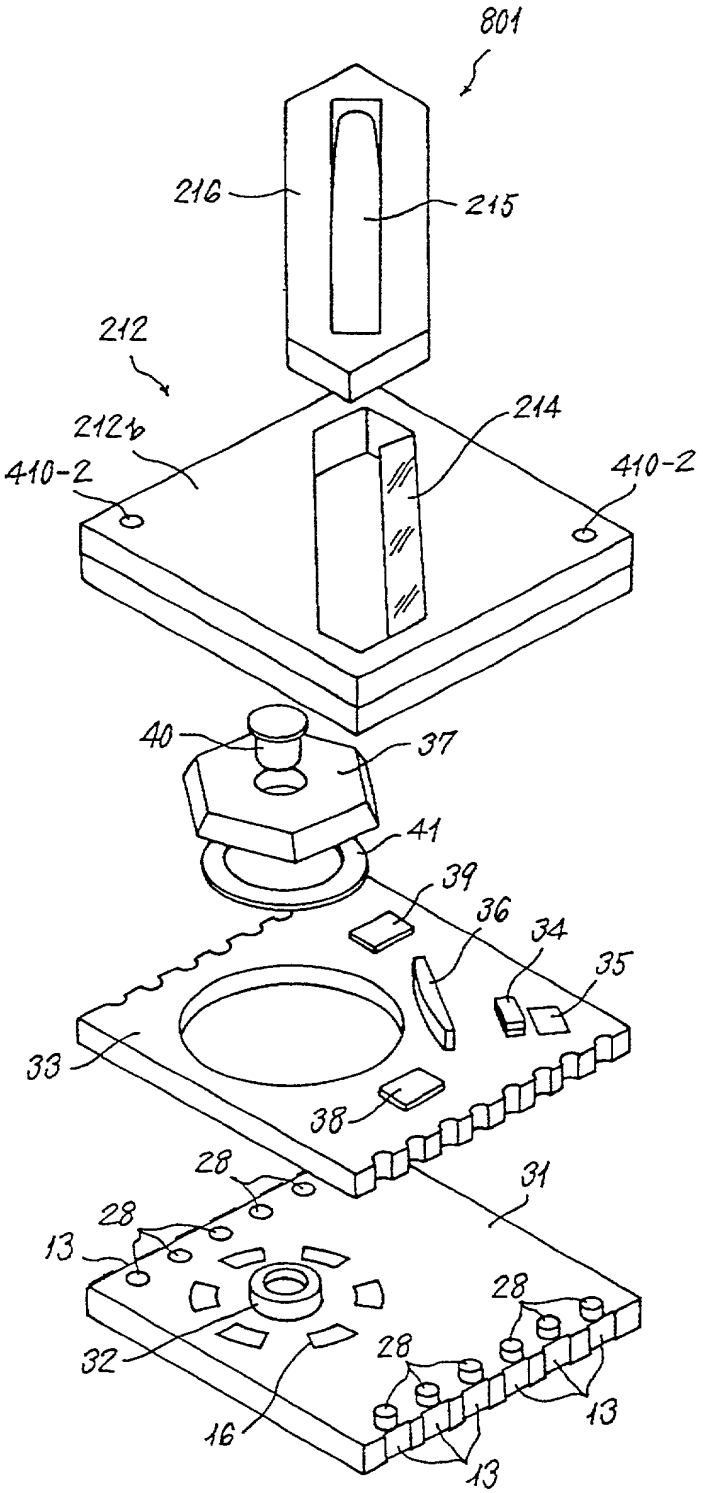

801
216
215
212
214
212b
410-2
410-2
40
37
41
39
36
34
35
33
38
28
31
28
13
28
32
28
16
13
13

FIG. 7

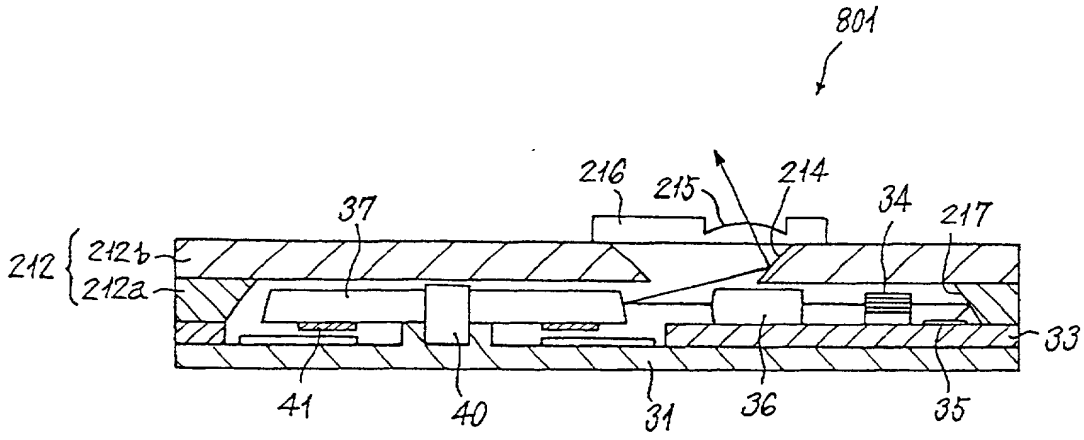


FIG. 8

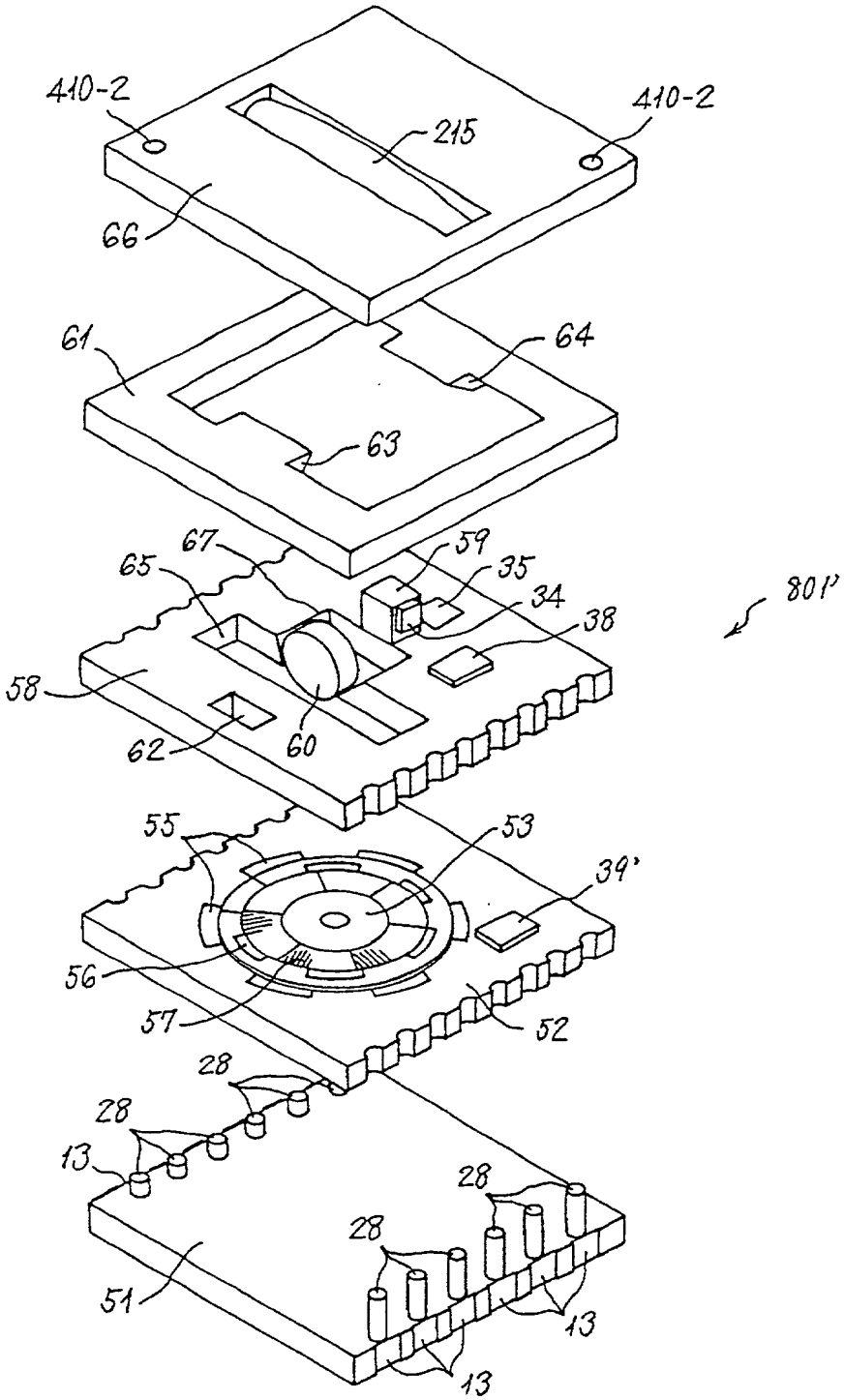

410-2
410-2
215
66
61
64
63
67
65
59
35
34
38
801'
58
62
60
55
53
39'
56
57
52
28
28
13
28
28
51
13
13

FIG. 9

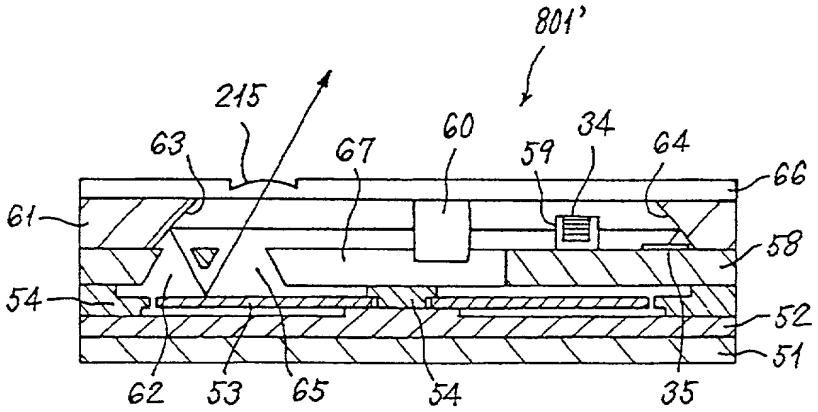


FIG. 10

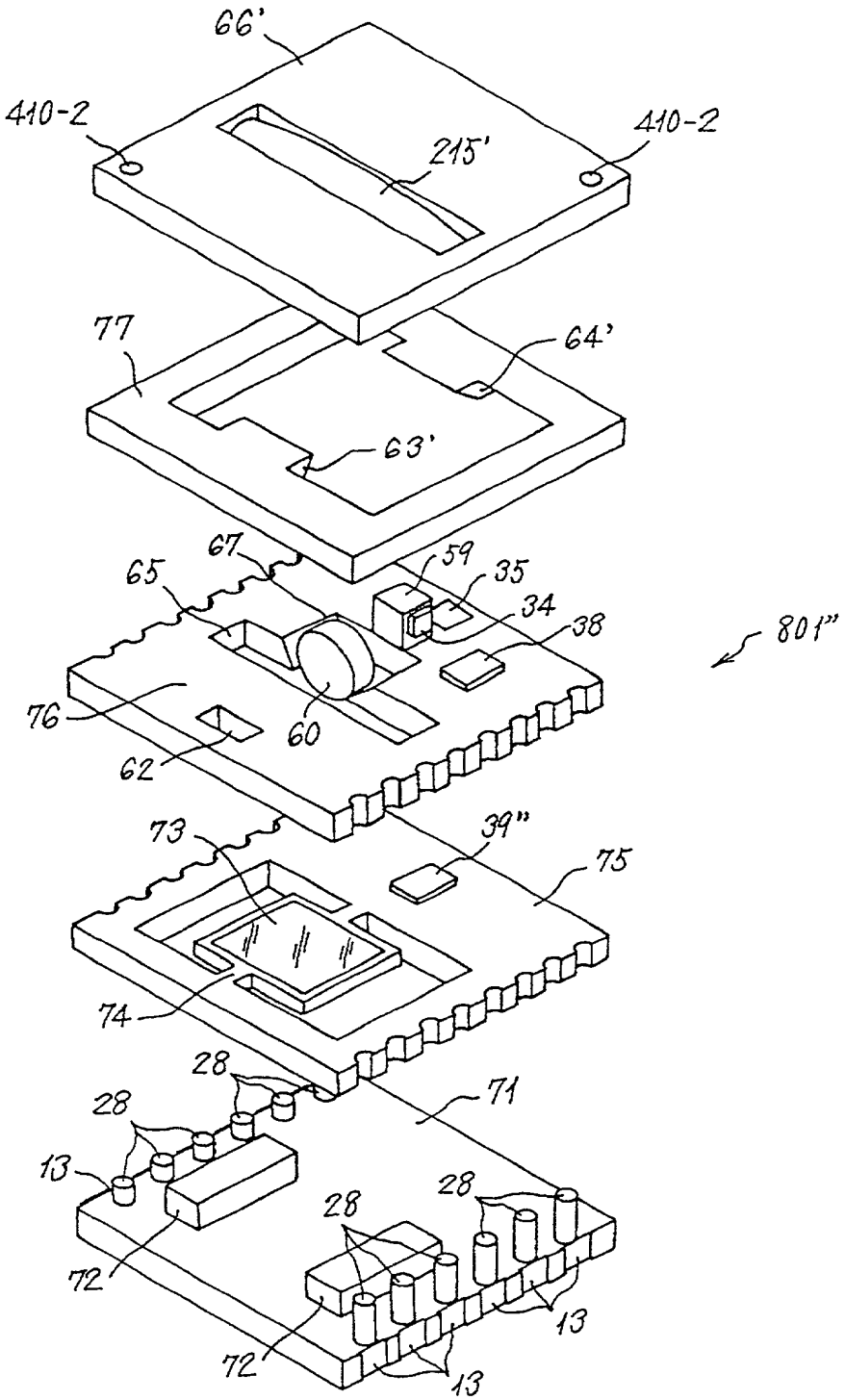

66'
410-2
410-2
215'
77
64'
63'
67
65
59
35
34
38
801"
76
60
62
73
39"
75
74
28
28
71
13
28
28
72
13
72
13

FIG. 11

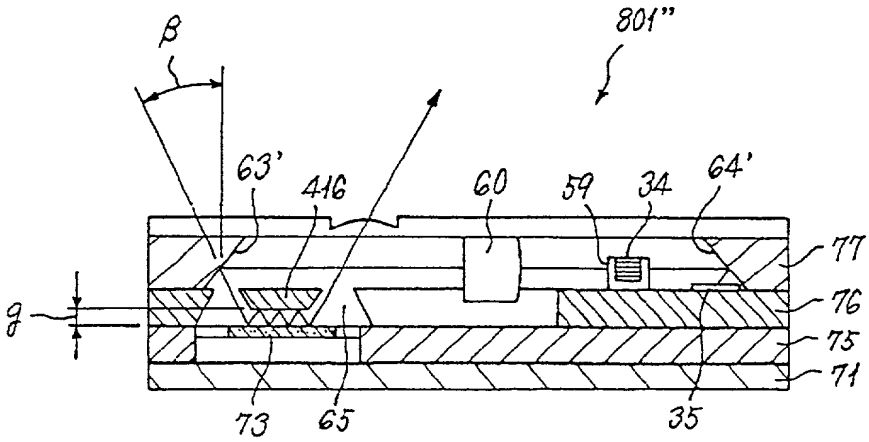


FIG. 12

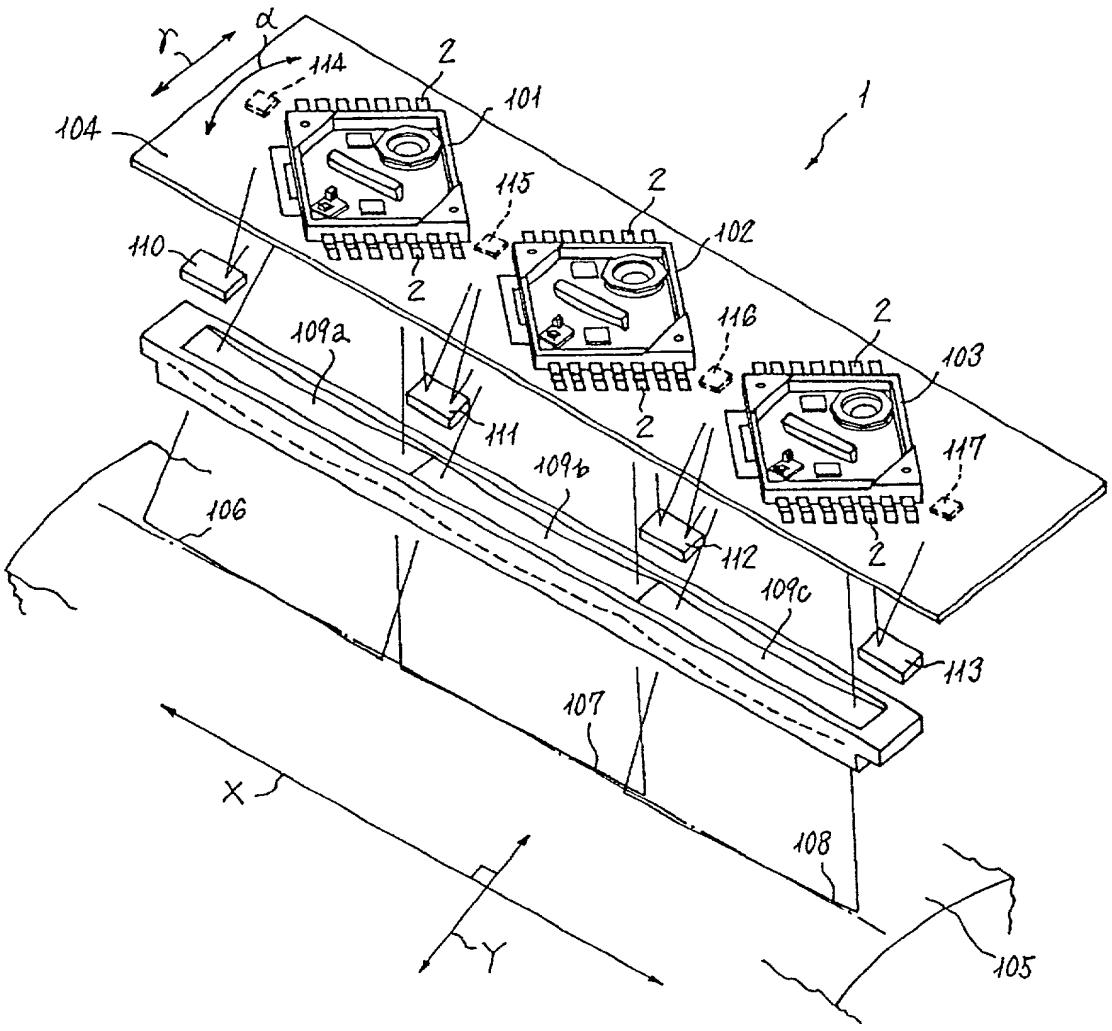

r
α
114
2
101
104
1
115
2
102
110
2
116
2
103
109a
111
2
117
109b
106
112
2
109c
113
107
X
108
Y
105

FIG. 13

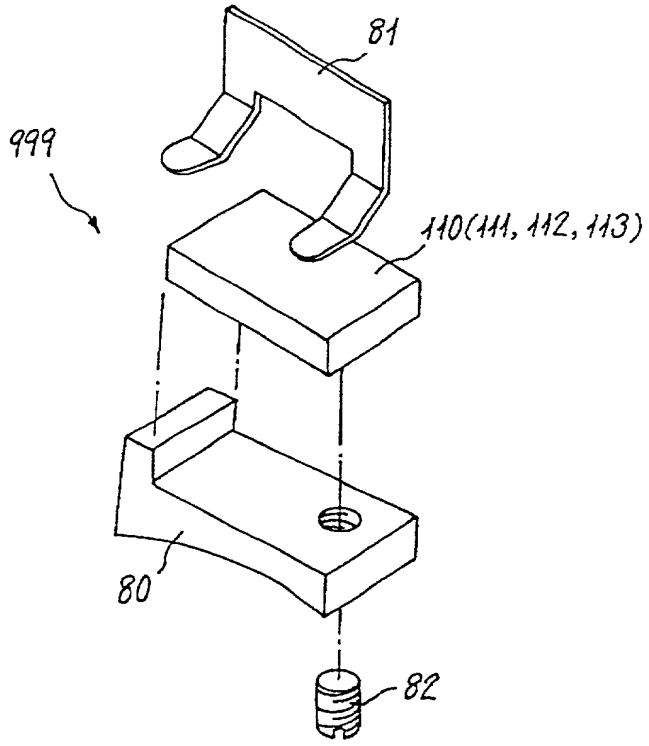


FIG. 14

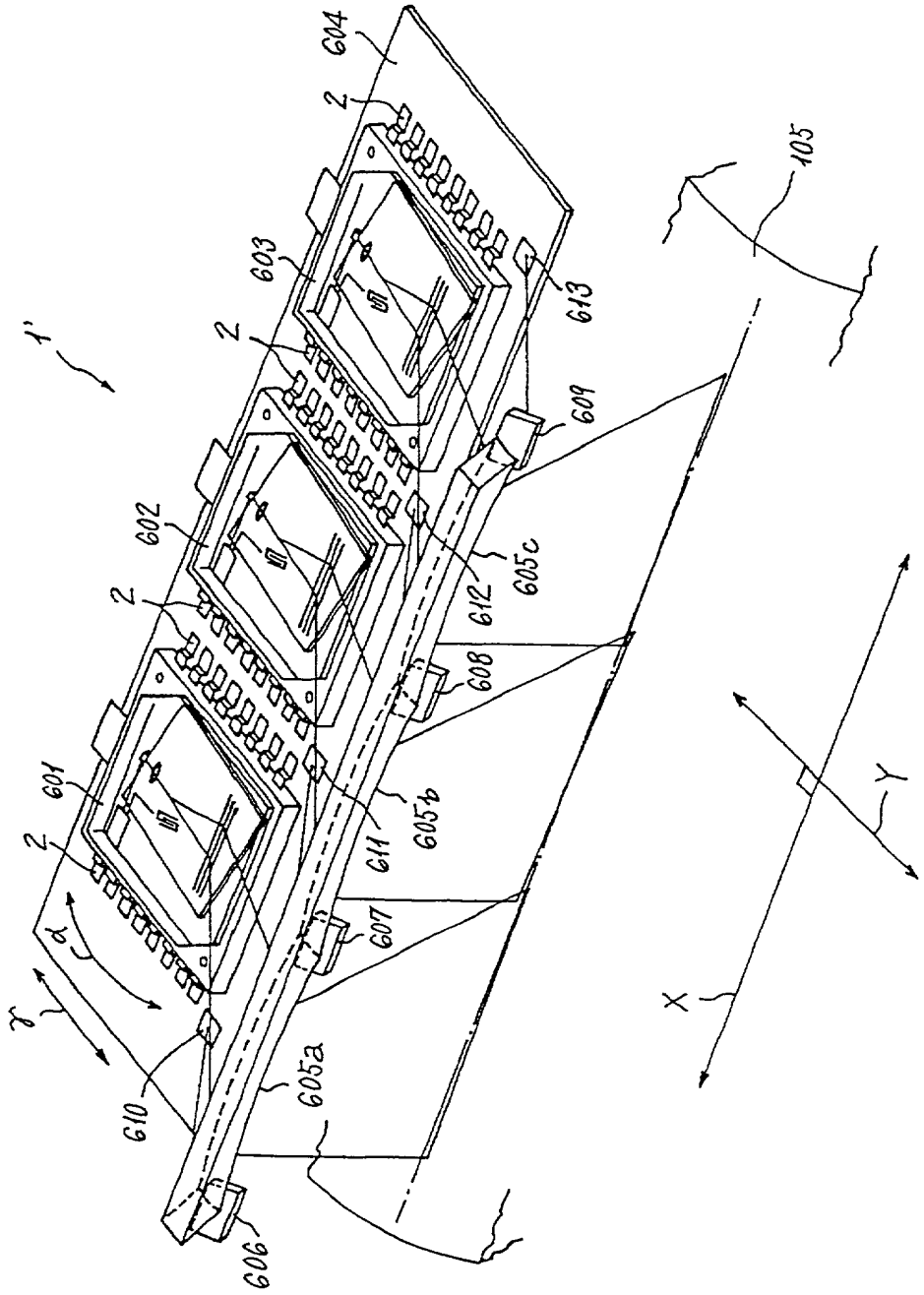

1'
2
601
602
603
604
605a
605b
605c
606
607
608
609
610
611
612
613
105
X
Y
Z
α

FIG. 15

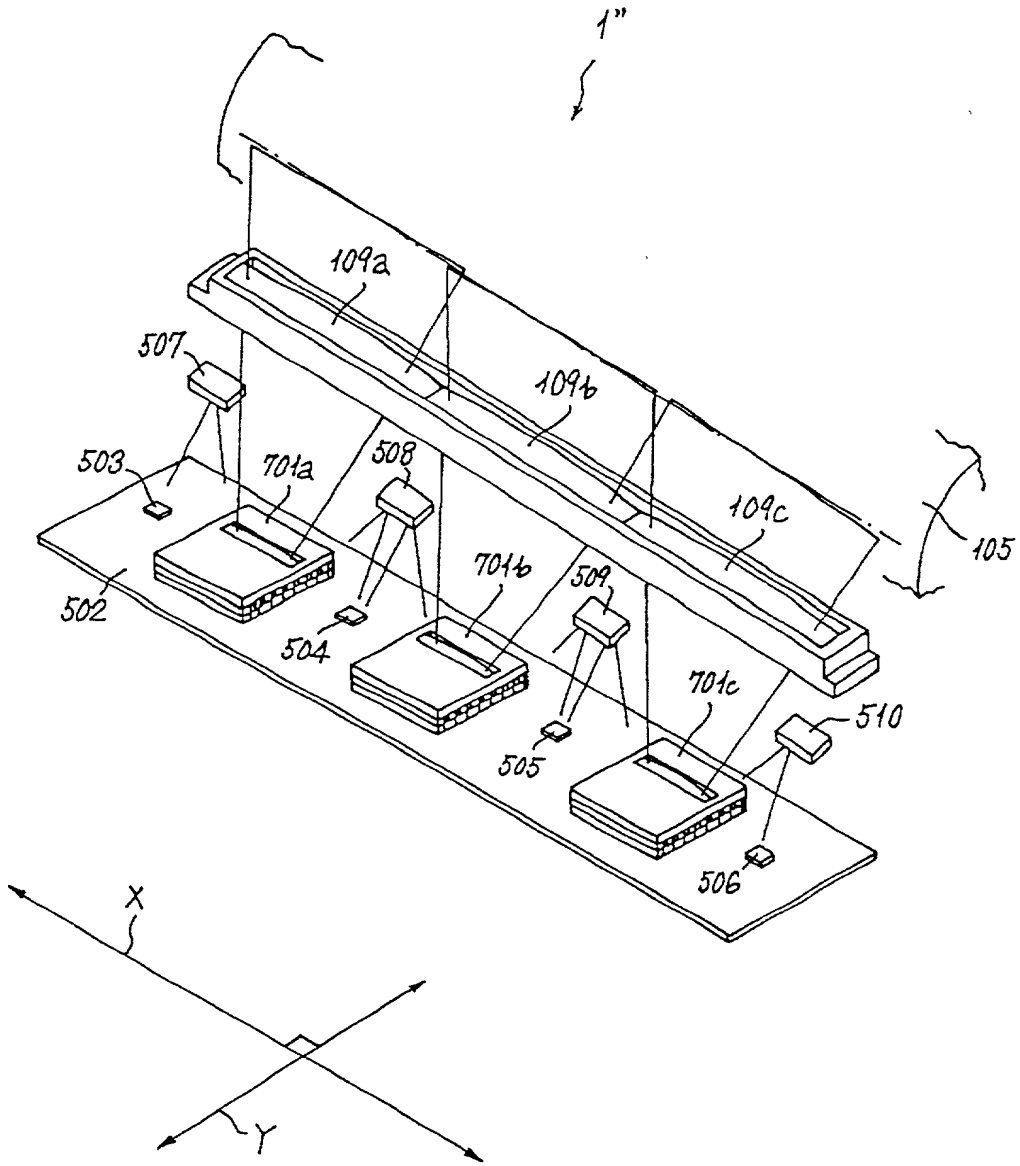

1"
109a
109b
109c
105
507
503
701a
508
502
504
701b
509
505
701c
510
506
X
Y

FIG.16

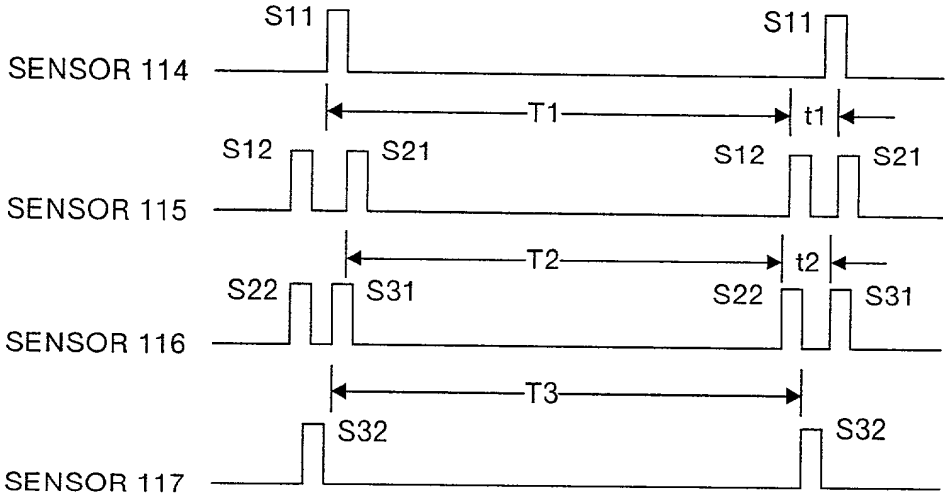

S11
S11
SENSOR 114
T1
t1
S12
S21
S12
S21
SENSOR 115
T2
t2
S22
S31
S22
S31
SENSOR 116
T3
S32
S32
SENSOR 117

FIG.17

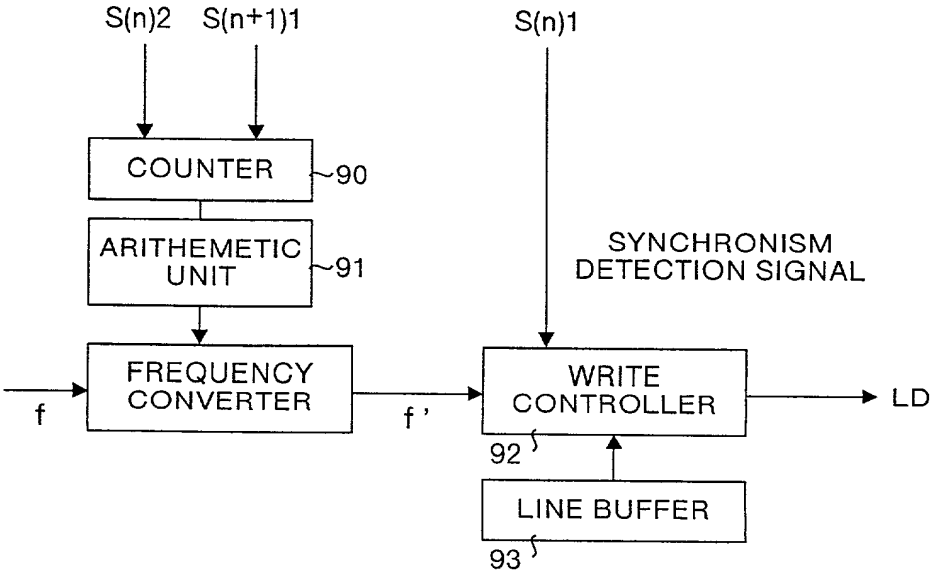
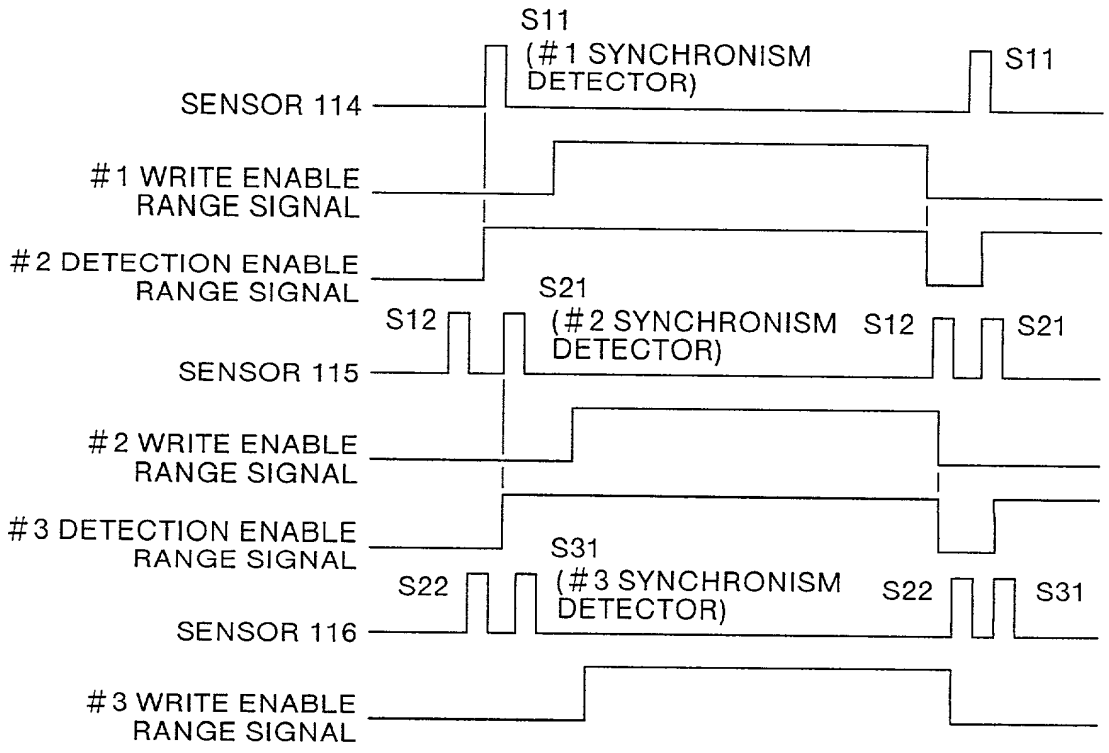

S(n)2
S(n+1)1
S(n)1
COUNTER
90
ARITHEMETIC UNIT
91
SYNCHRONISM DETECTION SIGNAL
FREQUENCY CONVERTER
f
f'
WRITE CONTROLLER
LD
92
LINE BUFFER
93

FIG.18



#1 : OPTICAL SCAN MODULE 101
#2 : OPTICAL SCAN MODULE 102
#3 : OPTICAL SCAN MODULE 103

FIG.19

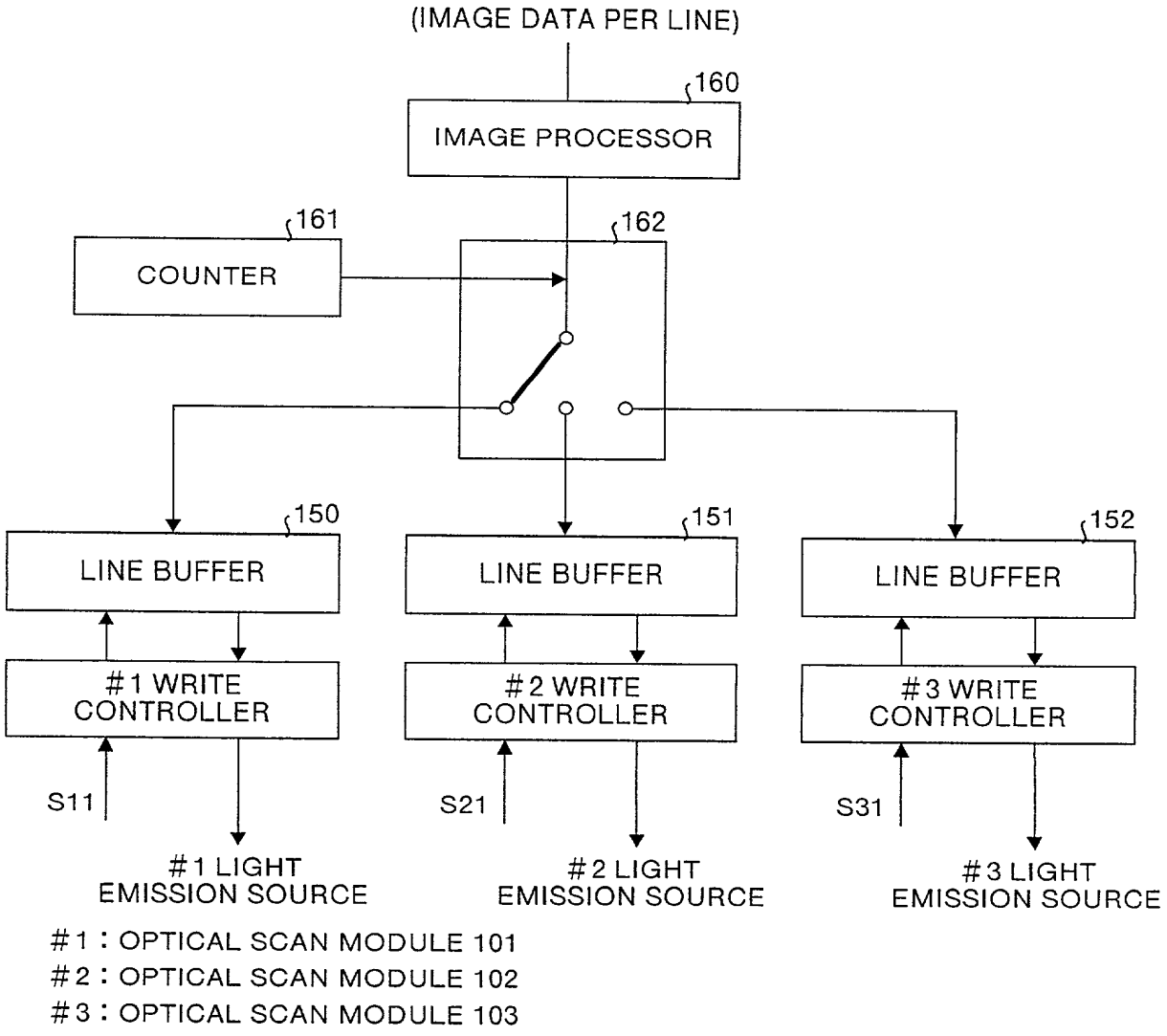

(IMAGE DATA PER LINE)
160
IMAGE PROCESSOR
161
COUNTER
162
150
LINE BUFFER
151
LINE BUFFER
152
LINE BUFFER
#1 WRITE CONTROLLER
#2 WRITE CONTROLLER
#3 WRITE CONTROLLER
S11
S21
S31
#1 LIGHT EMISSION SOURCE
#2 LIGHT EMISSION SOURCE
#3 LIGHT EMISSION SOURCE
#1 : OPTICAL SCAN MODULE 101
#2 : OPTICAL SCAN MODULE 102
#3 : OPTICAL SCAN MODULE 103

FIG.20

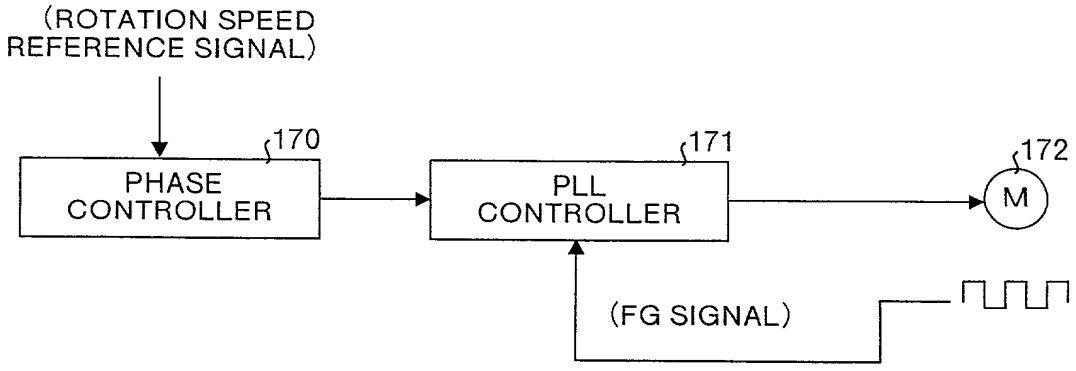

(ROTATION SPEED REFERENCE SIGNAL)
170
PHASE CONTROLLER
171
PLL CONTROLLER
172
M
(FG SIGNAL)

FIG. 21

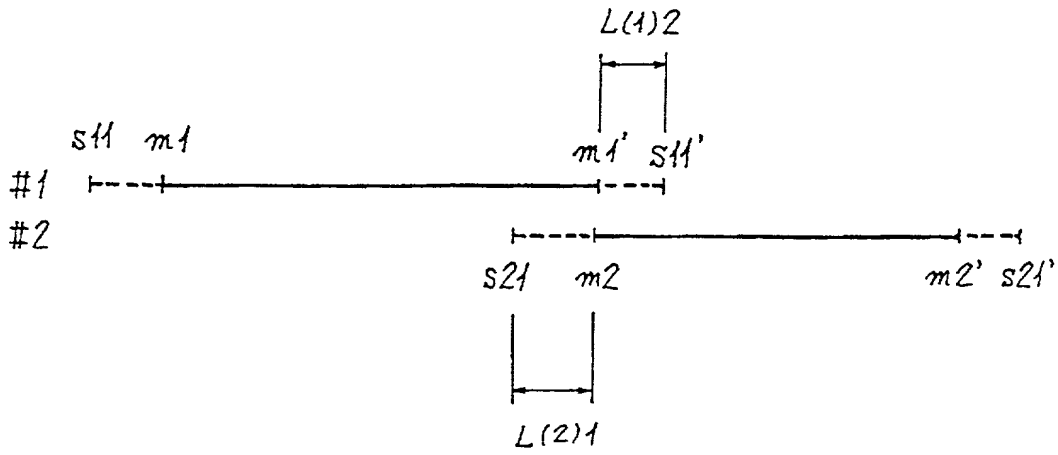


FIG. 22

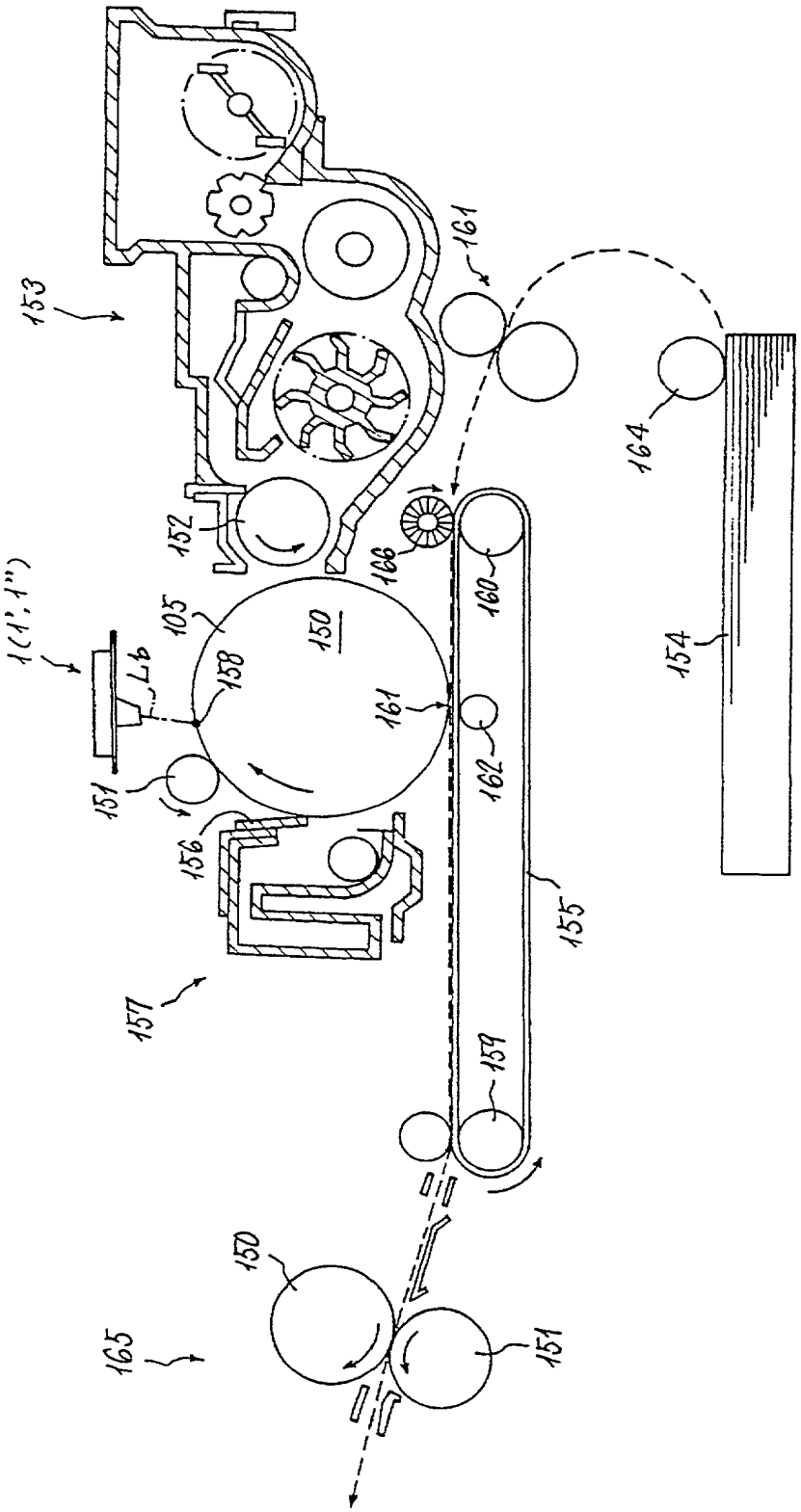

153
161
164
152
168
160
105
150
158
161
154
1(1', 1")
L6
151
162
156
155
157
159
150
165
151

FIG. 23

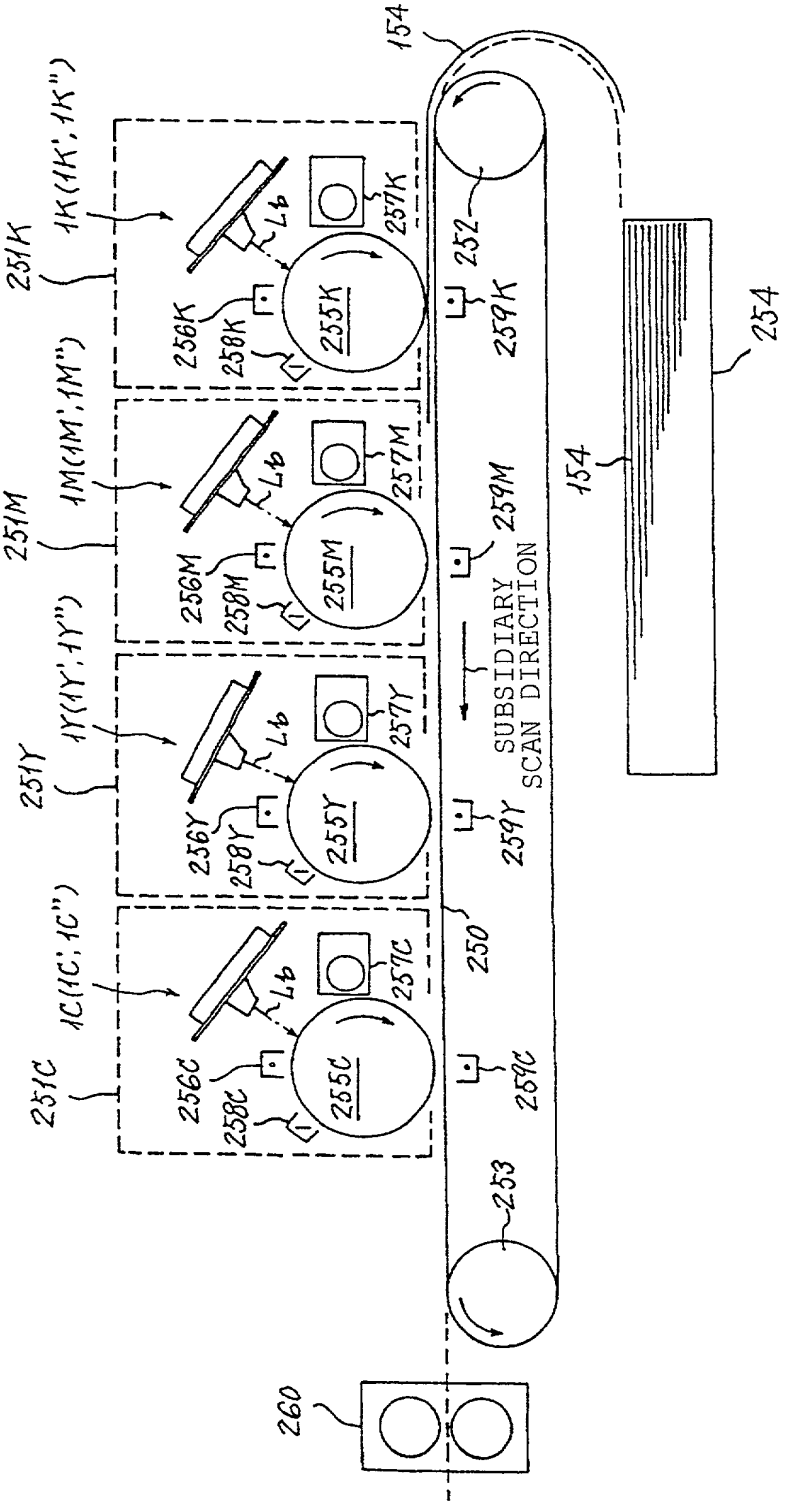

154
251K
1K(1K';1K")
256K
258K
255K
257K
252
259K
254
251M
1M(1M';1M")
256M
258M
255M
257M
259M
154
251Y
1Y(1Y';1Y")
256Y
258Y
255Y
257Y
SUBSIDIARY SCAN DIRECTION
259Y
250
251C
1C(1C';1C")
256C
258C
255C
257C
259C
253
260
L6

FIG. 24

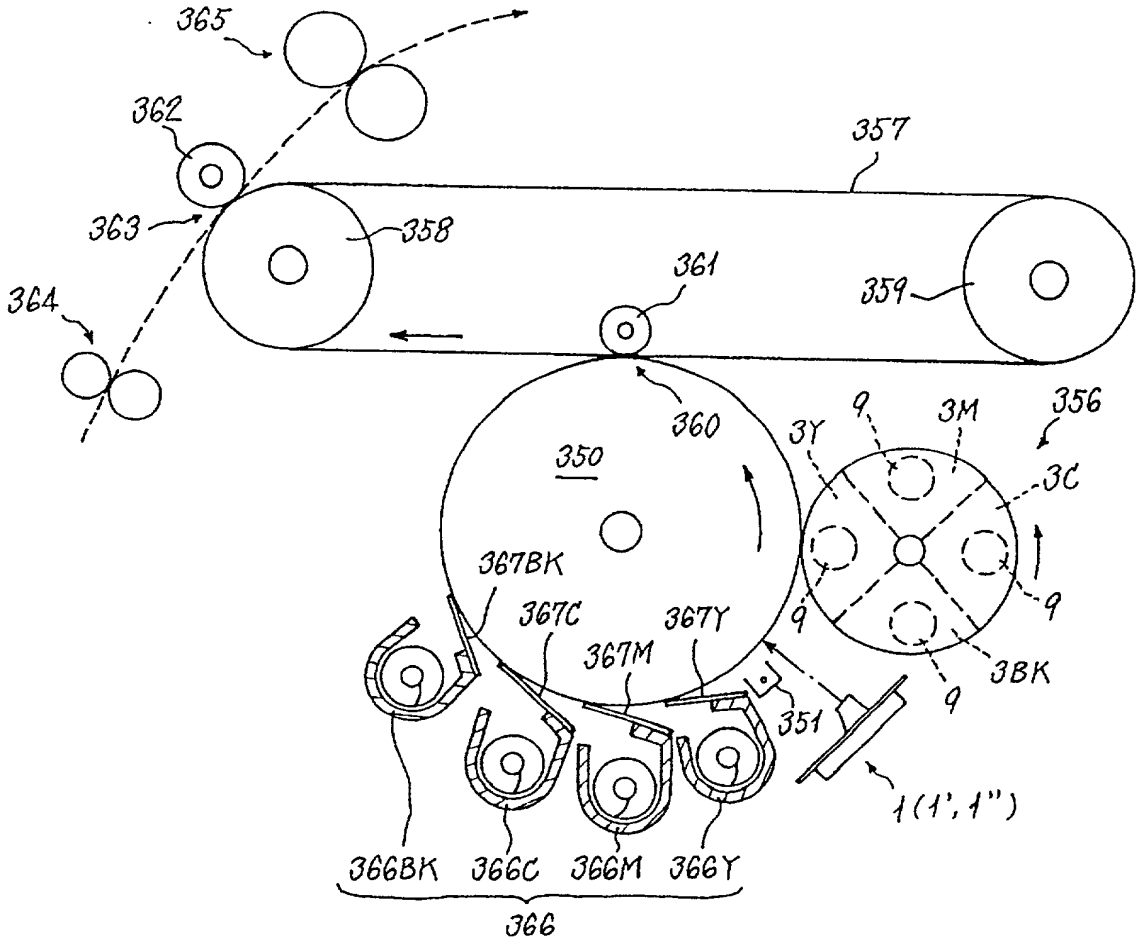

365
362
363
364
357
358
361
359
360
350
3Y
9
3M
356
3C
9
9
9
3BK
367BK
367C
367M
367Y
351
1(1',1")
366BK
366C
366M
366Y
366

FIG. 25

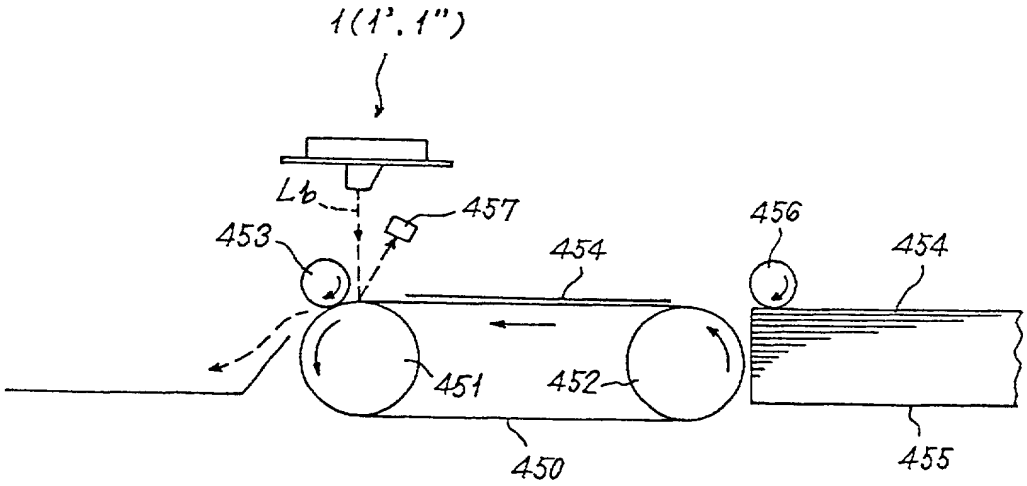


FIG. 26

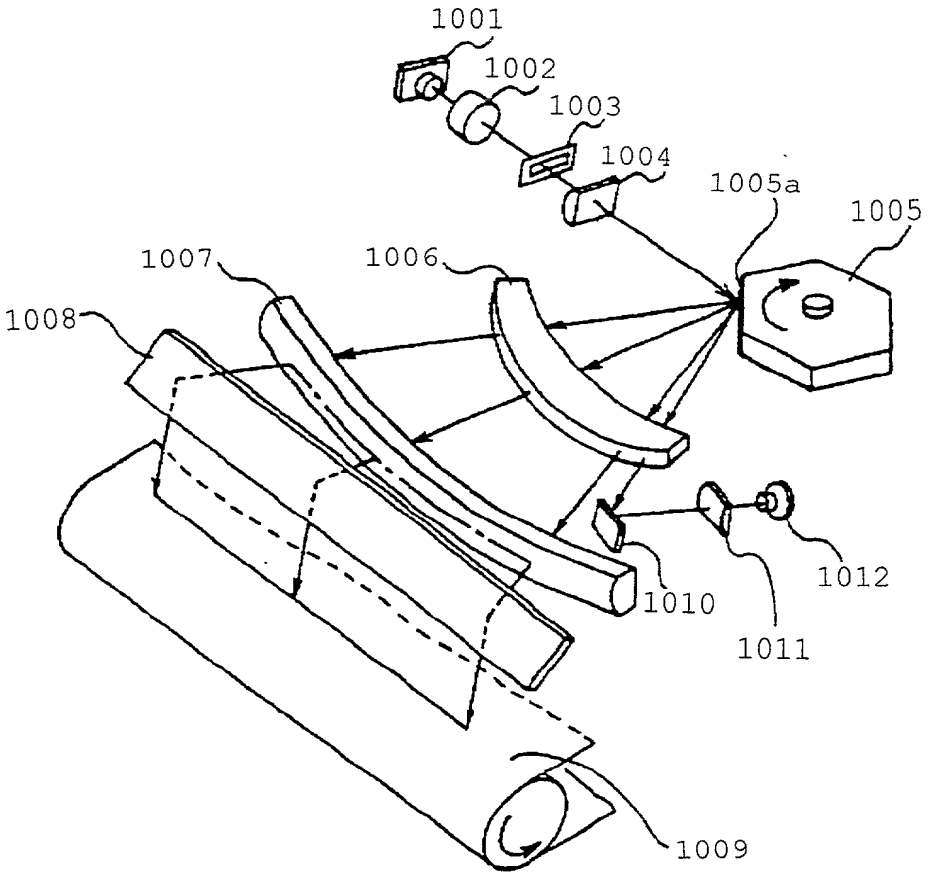

1001
1002
1003
1004
1005a
1005
1007
1006
1008
1012
1010
1011
1009

FIG. 27

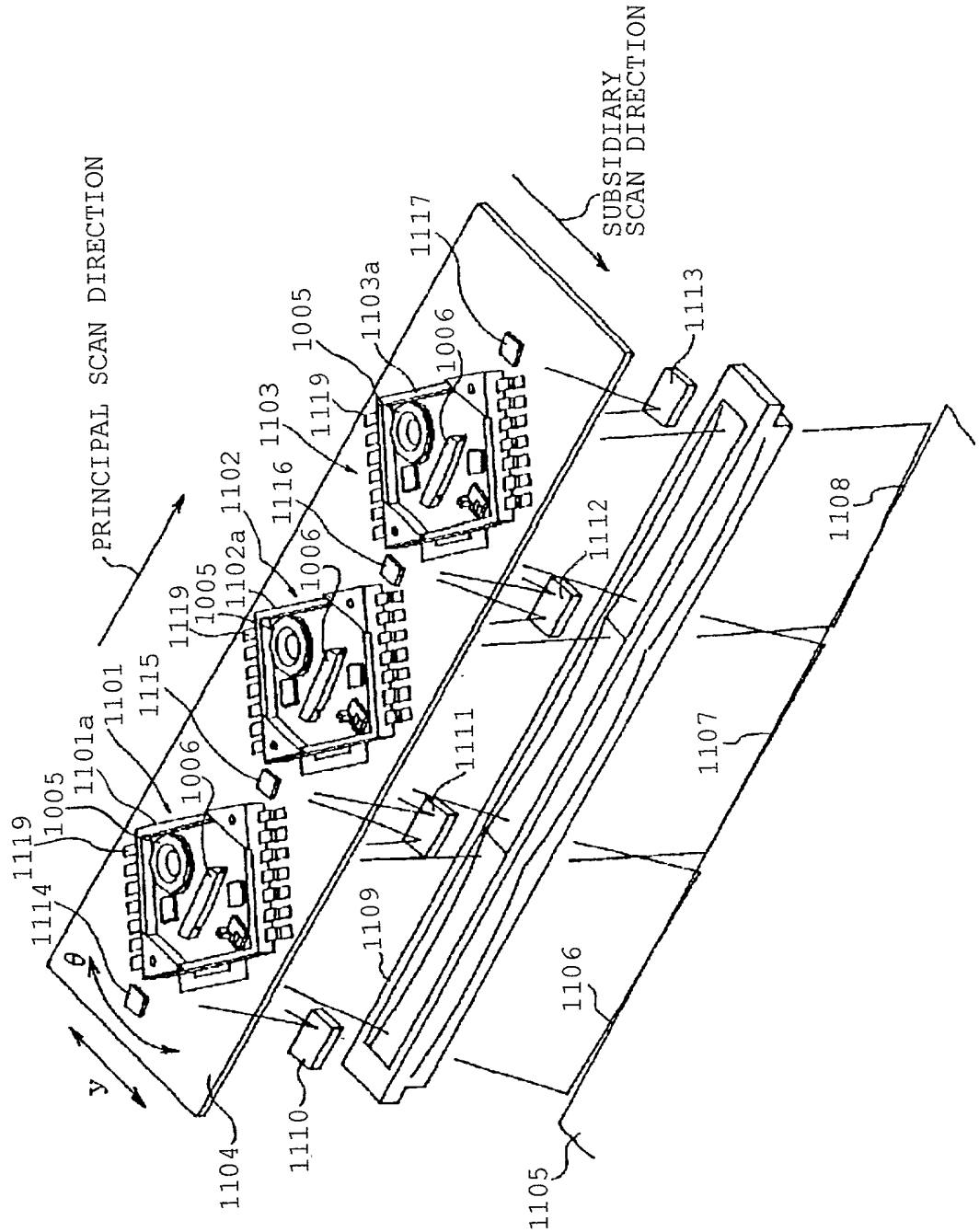

PRINCIPAL SCAN DIRECTION
SUBSIDIARY SCAN DIRECTION
1101
1101a
1102
1102a
1103
1103a
1104
1105
1106
1107
1108
1109
1110
1111
1112
1113
1114
1115
1116
1117
1119
1005
1006
θ
y

FIG. 28

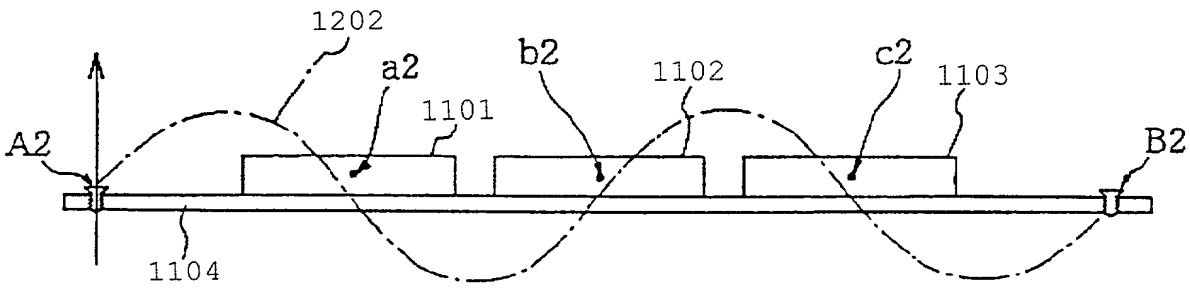


FIG. 29

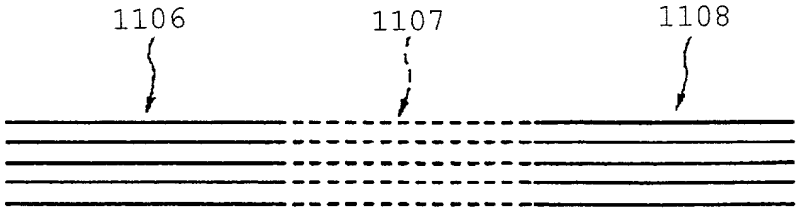


FIG. 30

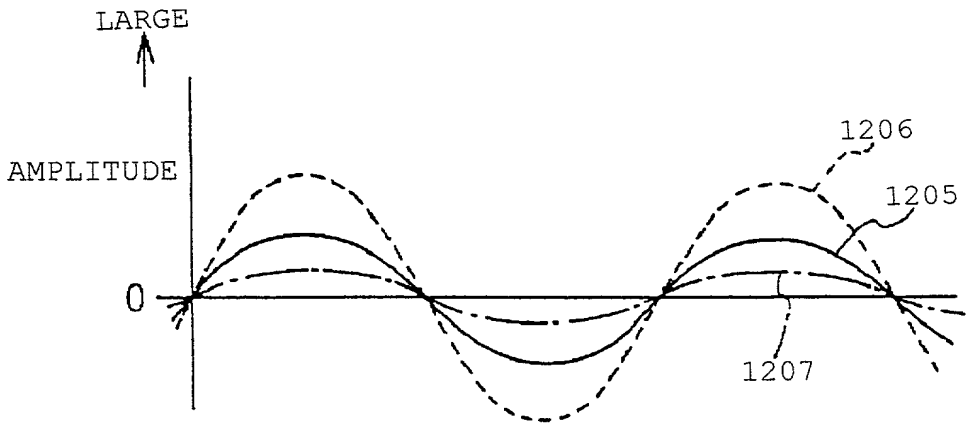


FIG. 31

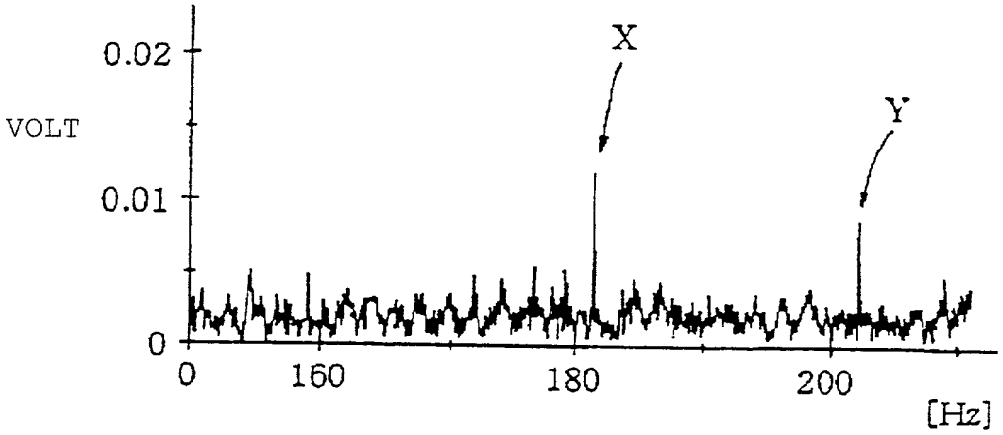


FIG. 32

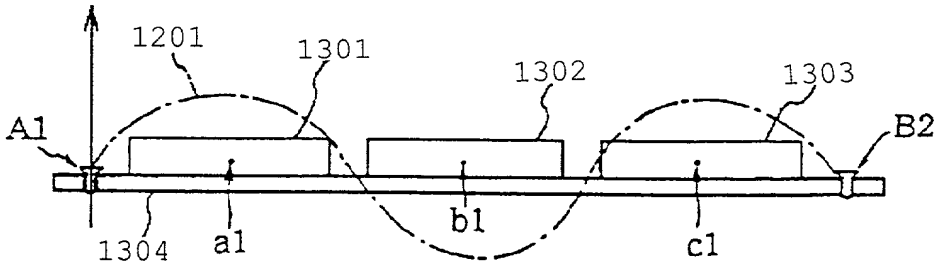


FIG. 33